

BILL OF MATERIAL

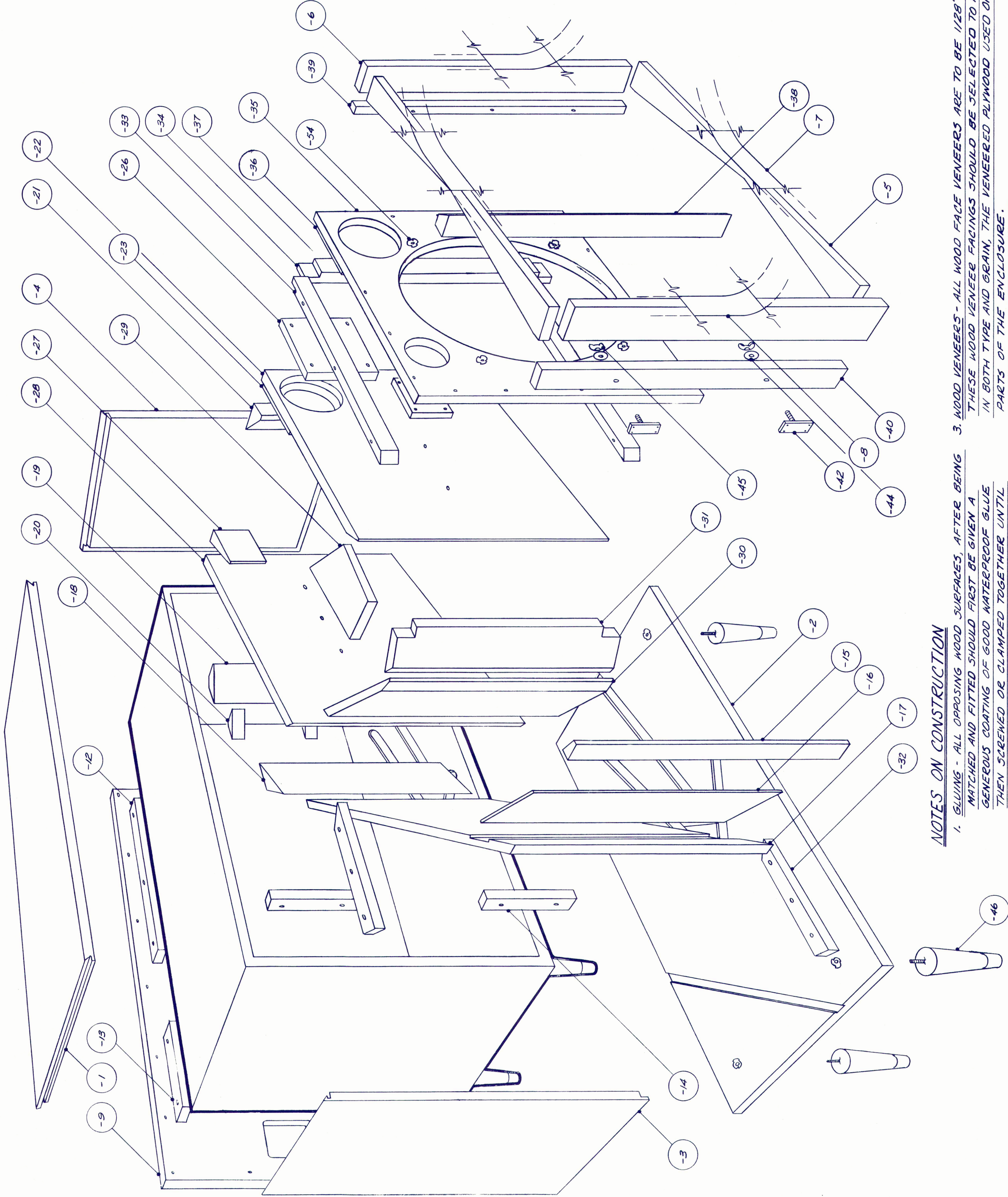
PART NO.	NAME	MATERIAL & SPECIFICATION	SIZE
1	TOP PANEL	3/4" VENEERED PLYWOOD	20" X 37 7/8"
2	BOTTOM PANEL	3/4" D.F. PLYWOOD	19 1/4" X 37 3/8"
3	LEFT SIDE PANEL	3/4" VENEERED PLYWOOD	20" X 23 3/4"
4	RIGHT SIDE PANEL	3/4" VENEERED PLYWOOD	20" X 23 3/4"
5	SCAB - HORIZONTAL	3/4" VENEERED PLYWOOD	2" X 33 1/2"
6	SCAB - VERTICAL	3/4" VENEERED PLYWOOD	2" X 31 3/8"
7	FACE VENEER - HORIZONTAL	AS NOTED	1 3/4" X 38 3/8"
8	FACE VENEER - VERTICAL	AS NOTED	1 3/4" X 24 1/16"
9	BACK PANEL	3/4" D.F. PLYWOOD	23 1/2" X 37 5/16"
10	TERMINAL PAD	1/8" MASONITE BACKING	1-5/4" X 7 1/2"
11	REAR TOP CLEAT, LONG	3/4" D.F. PLYWOOD	1" X 7 1/2"
12	REAR TOP CLEAT, SHORT	3/4" WHITE PINE	1" X 6 1/4"
13	REAR SIDE CLEAT	3/4" WHITE PINE	7 1/8" X 7 1/2"
14	HORN PANEL SUPPORT	WHITE PINE	1" X 6 1/4"
15	OUTER HORN PANEL	1/8" MASONITE	7 1/8" X 15 1/8" X 22 3/16"
16	INNER HORN PANEL	3/4" D.F. PLYWOOD	6 1/8" X 22 3/16"
17	CORNER FILLET	WHITE PINE	1" X 4 1/4" X 22 3/16"
18	CORNER FILLET SUPPORT	WHITE PINE	4 5/8" X 22 3/16"
19	FRONT THROAT Baffle	WHITE PINE	2" X 2" X 1 1/2"
20	FRONT THROAT Baffle	WHITE PINE	1 1/4" X 2" X 22 3/16"
21	DRIVER SUPPORT BLOCK	3/4" D.F. PLYWOOD	16 3/8" X 22 3/16"
22	HOLE PADDING	FELT, SORT	2" X 7" X 3/16"
23	SOUND ABSORBENT PAD	FIBRE GLASS	21 3/4" X 22 1/4" X 1 1/4"
24	175 DRIVER HOLE COVER	3/8" D.F. PLYWOOD	6 1/2" X 6 1/2"
25	DRIVER BUMPER BLOCK	WHITE PINE	3 1/4" X 2 1/2" X 7 1/8"
26	REAR THROAT Baffle	3/4" D.F. PLYWOOD	13 5/8" X 22 3/16"
27	THROAT SPACER	3/4" WHITE PINE	3 1/2" X 7"
28	REAR INNER HORN PANEL	3/4" D.F. PLYWOOD	7 1/8" X 22 3/16"
29	STIFFENER CLEAT, TOP & BOTTOM	3/4" WHITE PINE	4 3/16" X 22 3/16"
30	SPEAKER Baffle CLEAT, TOP & BOTTOM	3/4" WHITE PINE	2" X 15 1/2"
31	SPEAKER Baffle CLEAT, SIDE	3/4" WHITE PINE	1 1/2" X 19 1/8"
32	SPEAKER Baffle Panel	3/4" D.F. PLYWOOD	1 1/2" X 22 3/16"
33	075 DRIVER ADAPTOR	3/4" D.F. PLYWOOD	18 1/2" X 20 3/16"
34	075 DRIVER HOLE COVER	3/4" D.F. PLYWOOD	6 1/4" X 6 1/4"
35	GRILLE CLOTH SPACER	3/4" WHITE PINE	4" X 4"
36	GRILLE CLOTH STRETCHER	3/4" D.F. PLYWOOD	1 1/4" X 21 1/2"
37	ANCHOR STUD	WENDELL PLASTIC #18, #3016-1	1 1/2" X 21 1/2"
38	WASHER	STEEL, RD. HD. PHILLIPS	22 1/4" X 38"
39	WING NUT	CUT STEEL	#8 X 5/8"
40	METAL FERRULE	BRIGHT STEEL	5 1/6" I.D. X 3/4" O.D.
41	WOOD LEG (WITH TABLE BOLT)	HARDWOOD, STEEL BOLT - 1/4"-20	1 1/4" X 20
42	WOOD SCREW	SATIN BRASS (R/1665 MFG. CO. # 100)	SEE DETAIL DWG.
43	WOOD SCREW	STEEL, FL. HD. PHILLIPS (BLACK OXIDE)	1/4" X 20
44	WOOD SCREW	STEEL, FL. HD. PHILLIPS	" " DIAMETER
45	WOOD SCREW	STEEL, FL. HD. PHILLIPS	#8 X 1 1/2"
46	MACHINE SCREW	STEEL, RD. HD. PHILLIPS	#8 X 2"
47	T NUT	STEEL, RD. HD. PHILLIPS	#8 X 5/8"
48	FINISH WASHER (FOR BACK PANEL)	STEEL	10-32 X 1"
49	NAIL	BLACK OXIDE	1/4-20 X 3/16"
50	NAIL	#6 - C.C. BOX	10-32 X 3/16"
51	NAIL	STEEL, FL. HD. PHILLIPS	#8 C5L
52	GLUE BLOCK	BLUE LATH	#8 X 1"
53	WASHER	WHITE PINE	2" X 3/4" X 3/4"
54	WOOD SCREW	CUT STEEL	193 I.D. X 1" O.D.
55	WOOD SCREW	STEEL, FL. HD. PHILLIPS	#8 X 2 1/2"
56	WOOD SCREW	DOUGLAS FIR	2" X 4" (NOM)
57	WOOD SCREW	STEEL, RD. HD. PHILLIPS	"6" X 1/2"

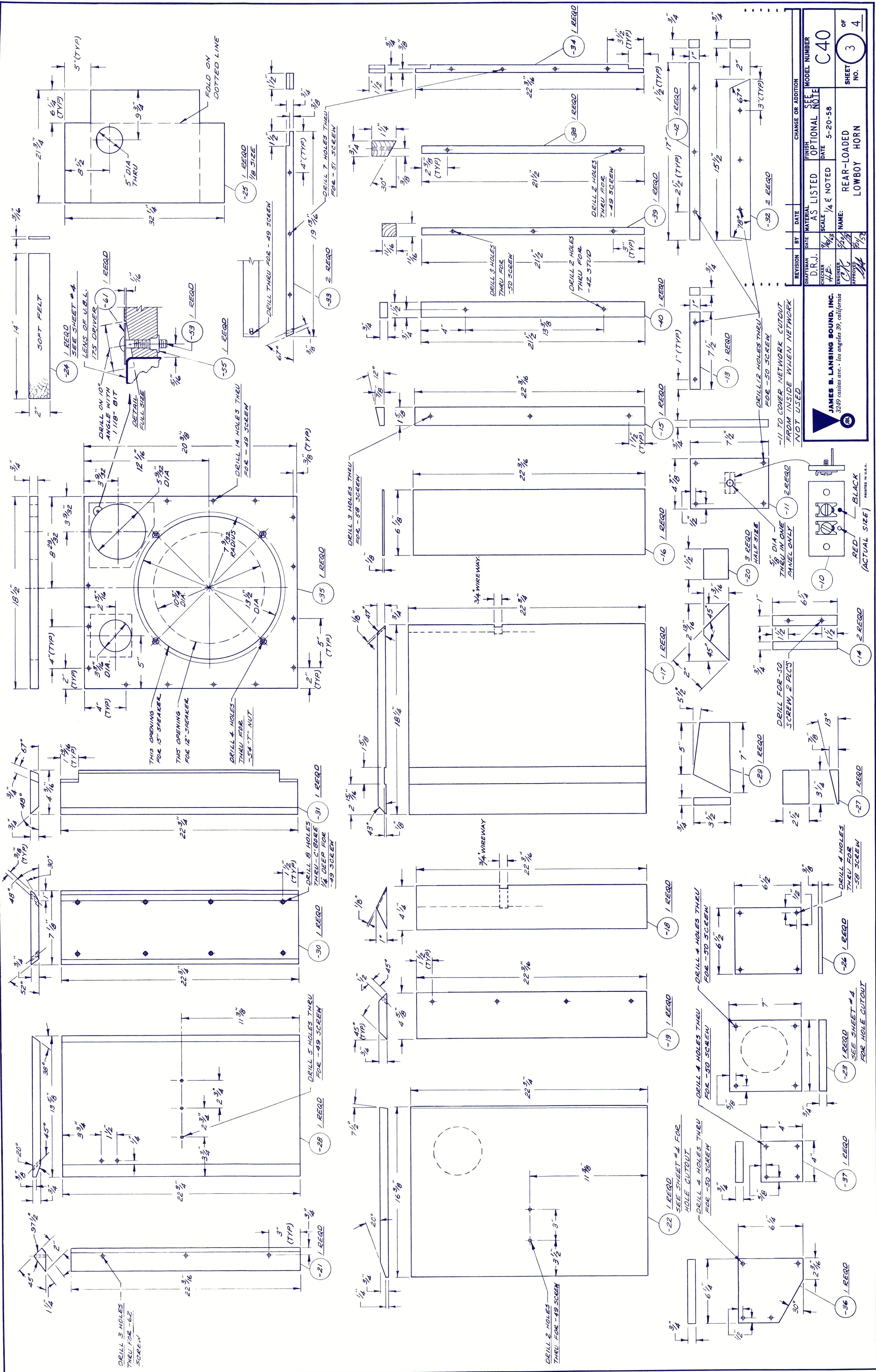
NOTES ON U.B.L. COMPONENTS

- FOR INSTALLATION AND WIRING OF ALL U.B.L. INDIVIDUAL COMPONENTS AND LOUDSPEAKER SYSTEMS, REFER TO INSTRUCTION MANUAL CA-1 FURNISHED WITH ALL COMPONENTS.
- THE FOLLOWING U.B.L. EXTENDED RANGE LOUDSPEAKERS ARE RECOMMENDED FOR INSTALLATION IN THIS ENCLOSURE :
D130, D131, AND D123
- THE FOLLOWING U.B.L. LOUDSPEAKER SYSTEMS ARE RECOMMENDED FOR INSTALLATION IN THIS ENCLOSURE:
001, (CONSISTING OF 130A LOWFREQUENCY DRIVER, 175" DRIVER-
HORN- LENS AND N1200 NETWORK)
002, (CONSISTING OF D123 EXTENDED RANGE SPEAKER, 075 HIGH
FREQUENCY DRIVER AND N2600 NETWORK)
030, (CONSISTING OF D130 EXTENDED RANGE SPEAKER, 075 HIGH
FREQUENCY DRIVER AND N2600 NETWORK)

NOTES ON CONSTRUCTION

- GLUING - ALL OPPOSING WOOD SURFACES, AFTER BEING MATCHED AND FITTED SHOULD FIRST BE GIVEN A GENEROUS COATING OF GOOD WATERPROOF GLUE THEN SCREWED OR CLAMPED TOGETHER UNTIL GLUE IS SET.
THIS DOES NOT APPLY TO REMOVABLE PANELS OR TO COVERS AND ADAPTORS FASTENED OVER SPEAKER, DRIVER OR NETWORK HOLES, CUTOUT FOR FUTURE USE.
OR NETWORK HOLES, CUTOUT FOR FUTURE USE.
- HOLES - ALL DRILLED HOLES FOR WOOD SCREWS TO BE 11/64" DIAMETER.
FOR 1/4-20 "T" NUTS - 19/64" DIAMETER.
FOR 10-32 "T" NUTS - N# 1 DRILL (.228) DIA.
DRILLED HOLES FOR 1/4-20 MACHINE SCREWS TO BE 5/16" IN DIAMETER.





JAMES B. LANSING SOUND, INC.
3249 casitas ave. • los angeles 39, california

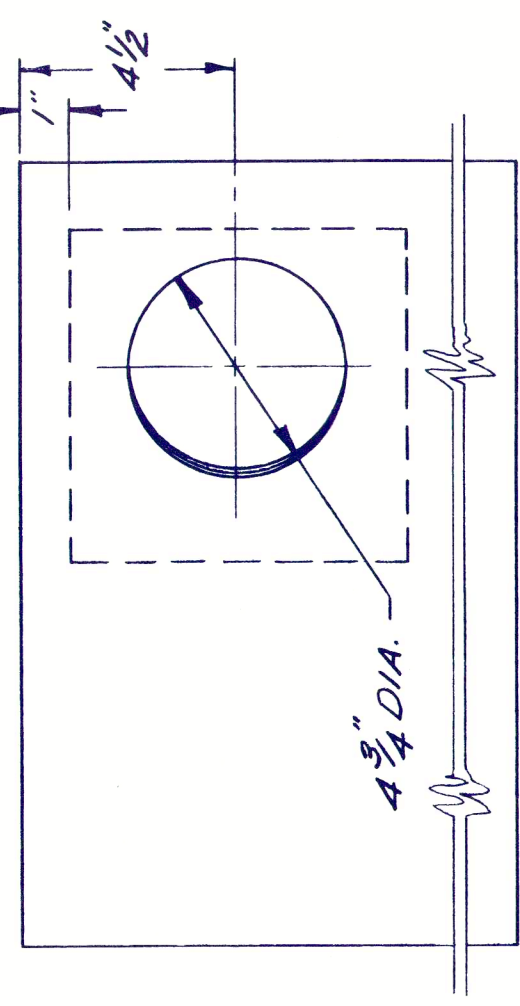
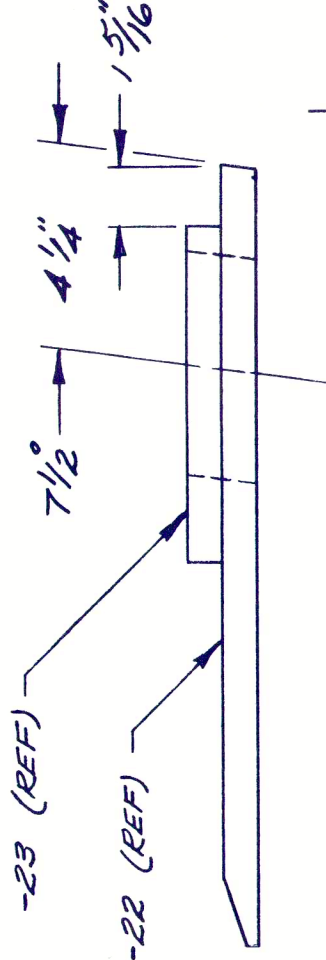
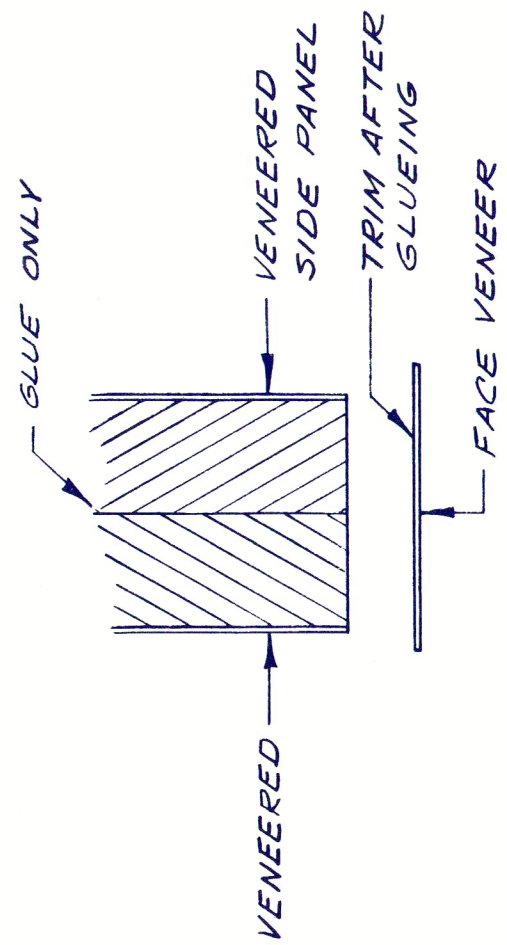
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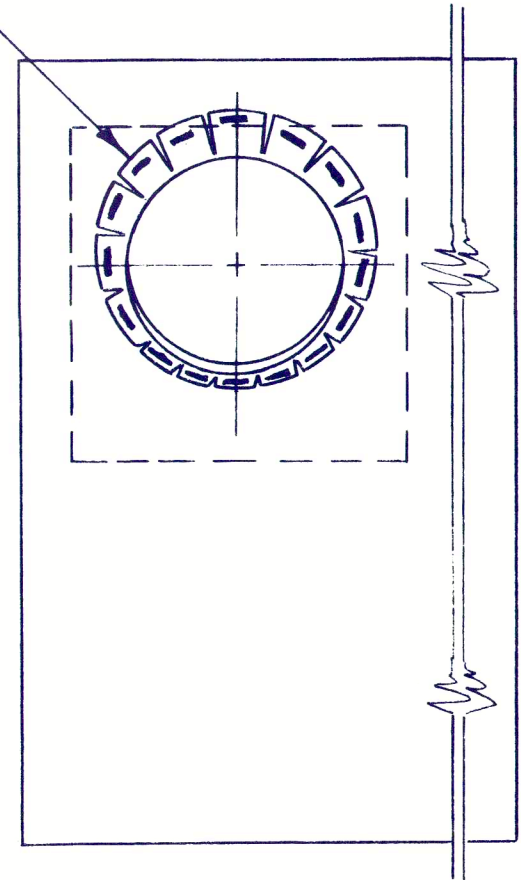
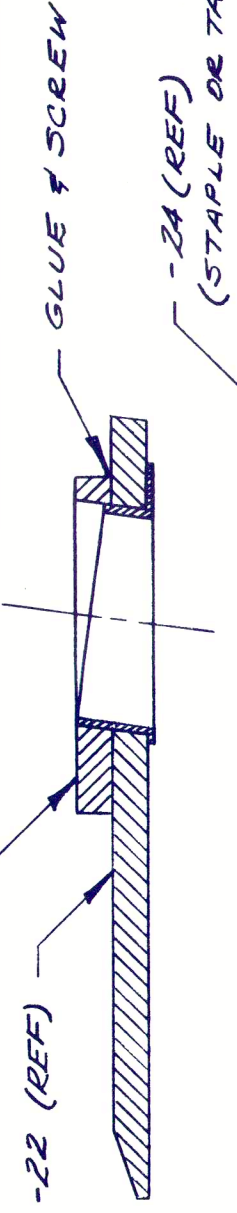
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NOTE:

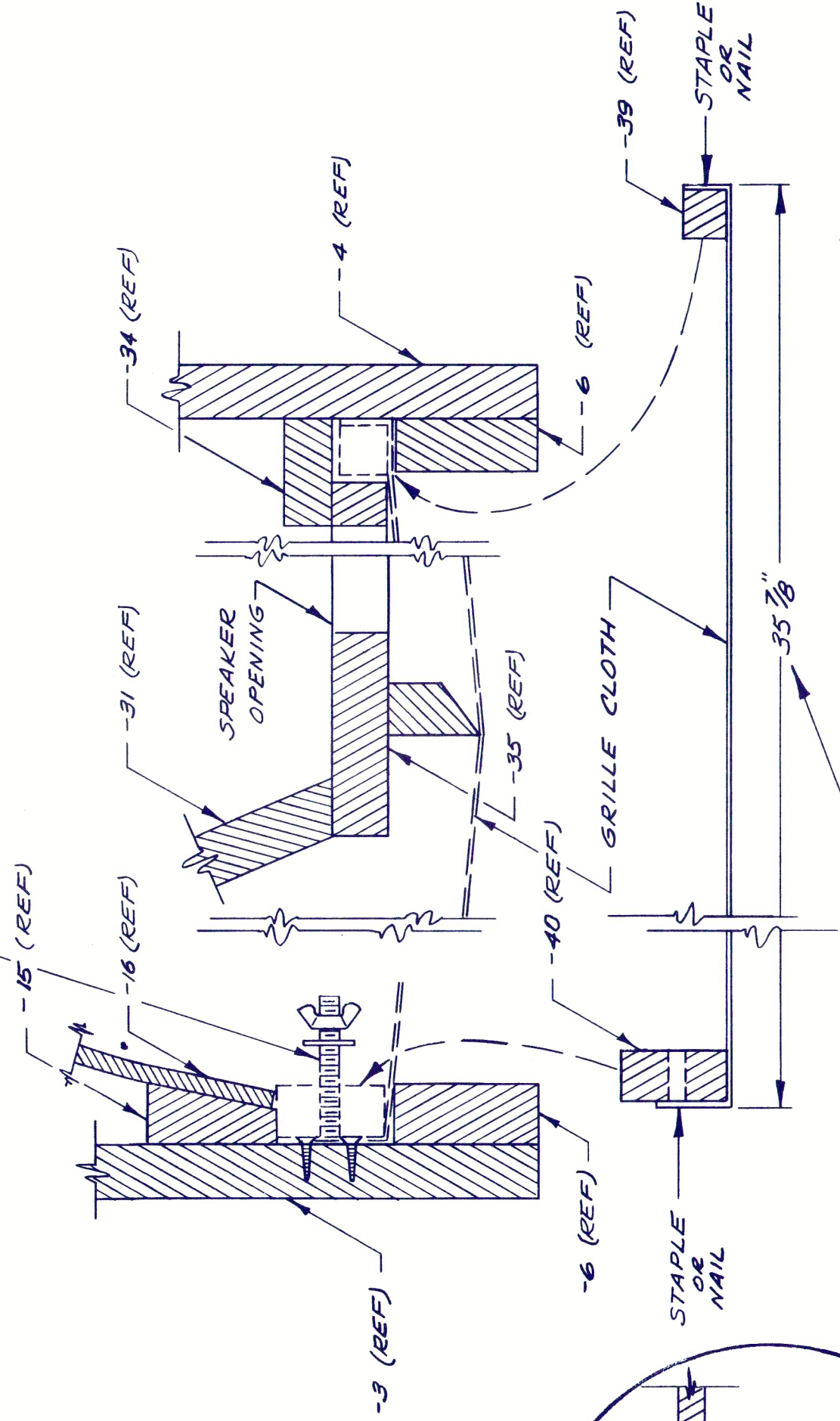
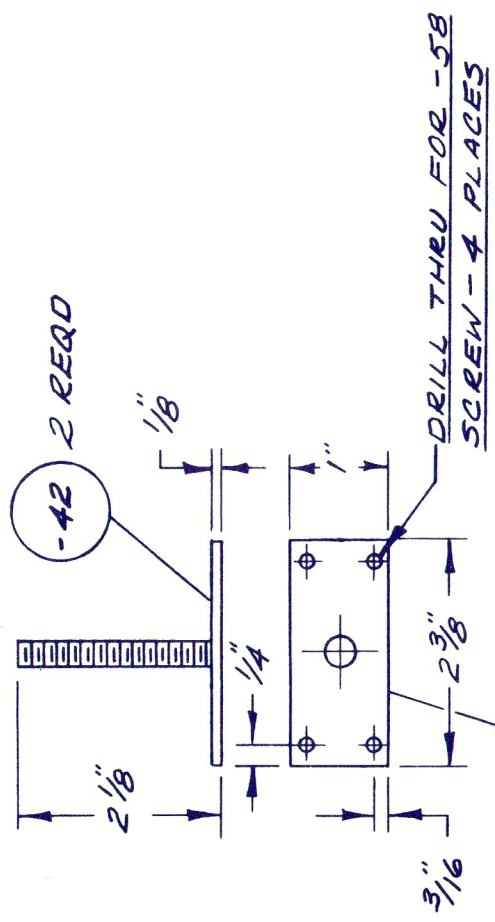
VENEER FOR FRONT EDGES SHOULD BE APPLIED AFTER ALL FOUR SCABS, -5, -6, ARE POSITIONED AND FASTENED WITH FRONT EDGES FLUSH WITH THOSE OF TOP, BOTTOM, AND SIDE PANELS.



VIEW SHOWING 7 1/2" HOLE CUTOUT FOR 175 DRIVER (DO NOT CUT HOLE UNTIL -23 IS FASTENED)



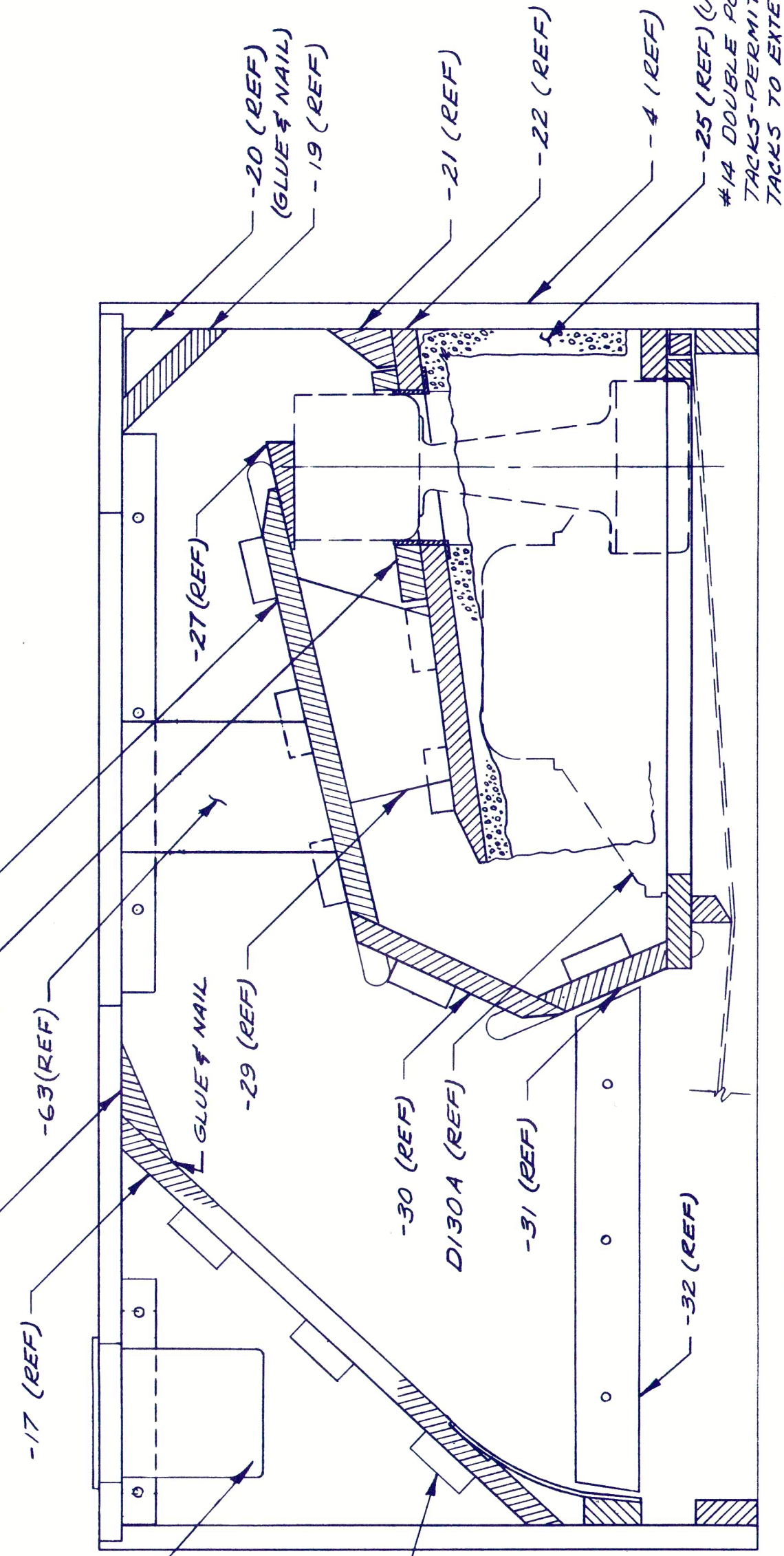
VIEW SHOWING INSTALLATION OF -24 HOLE PADDING FOR 175 DRIVER



THIS DIMENSION ALLOWS STRETCH WHEN ASSEMBLING IN ENCLOSURE

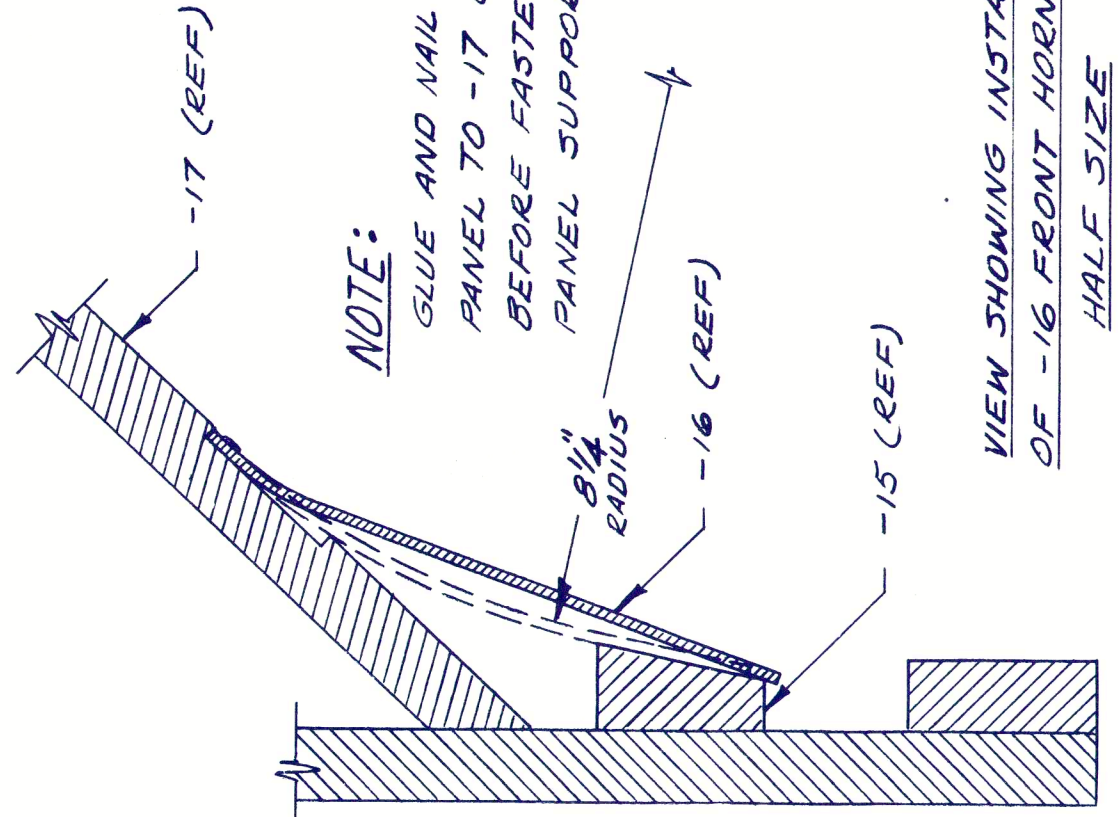
VIEW SHOWING INSTALLATION OF U.B.L. N2600 NETWORK WITH 002 AND 030 SYSTEMS

VIEW SHOWING INSTALLATION OF U.B.L. N1200 NETWORK WITH -18 (REF) 001 SYSTEM.



NOTE:

1. VIEW SHOWING INSTALLATION WHEN USING U.B.L. 001 SYSTEM - ADJUST -27 DRIVER BUMPER BLOCK TO PERMIT LEAST OF DRIVER TO FIT FLUSH WITH WASHER FASTENED TO -35 SPEAKER Baffle PANEL AS SHOWN ON SHEET #3.
2. -17, -28, -30, -22 AND -31 GLUED AT TOP AND GLUED AND NAILED TO BOTTOM PANEL.
3. NAIL SIDES THROUGH BOTTOM-ANAILS EACH SIDE.

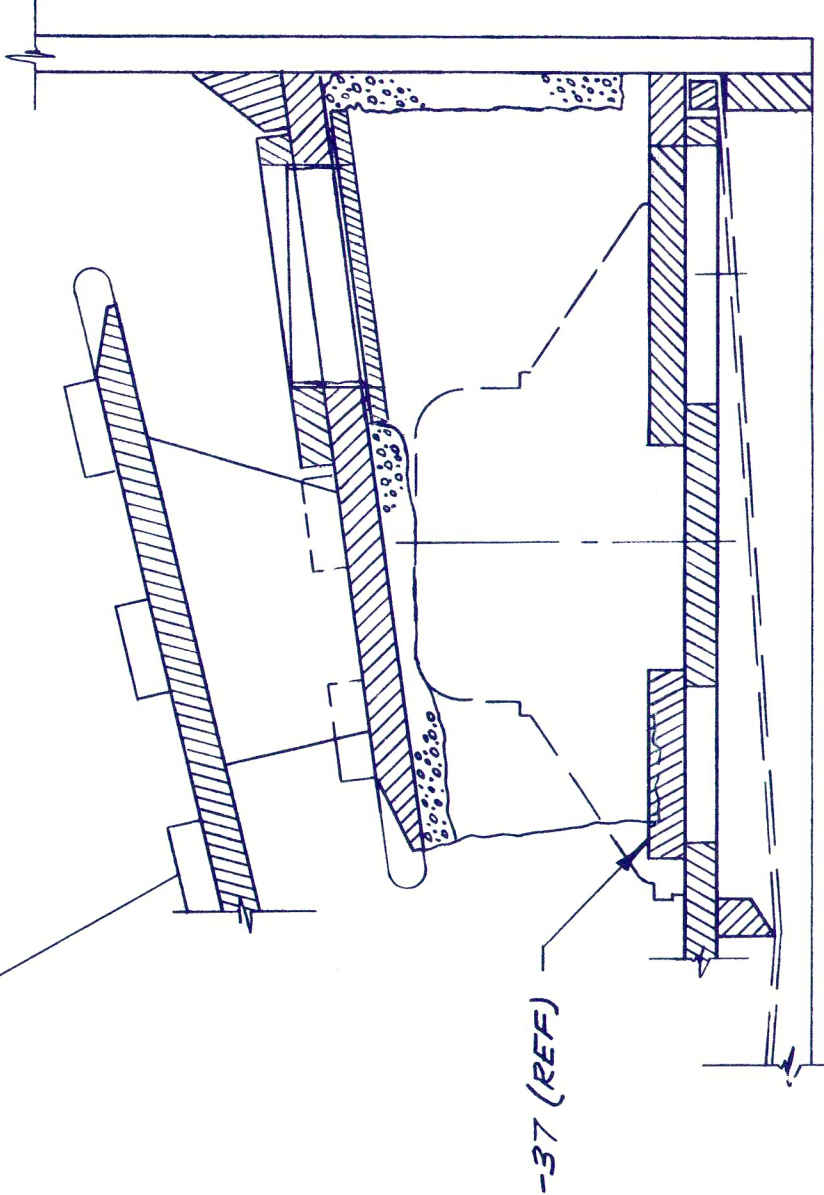


NOTE:
GLUE AND NAIL -16 FRONT HORN PANEL TO -17 OUTER HORN PANEL BEFORE FASTENING TO -15 HORN PANEL SUPPORT WITH GLUE & NAILS

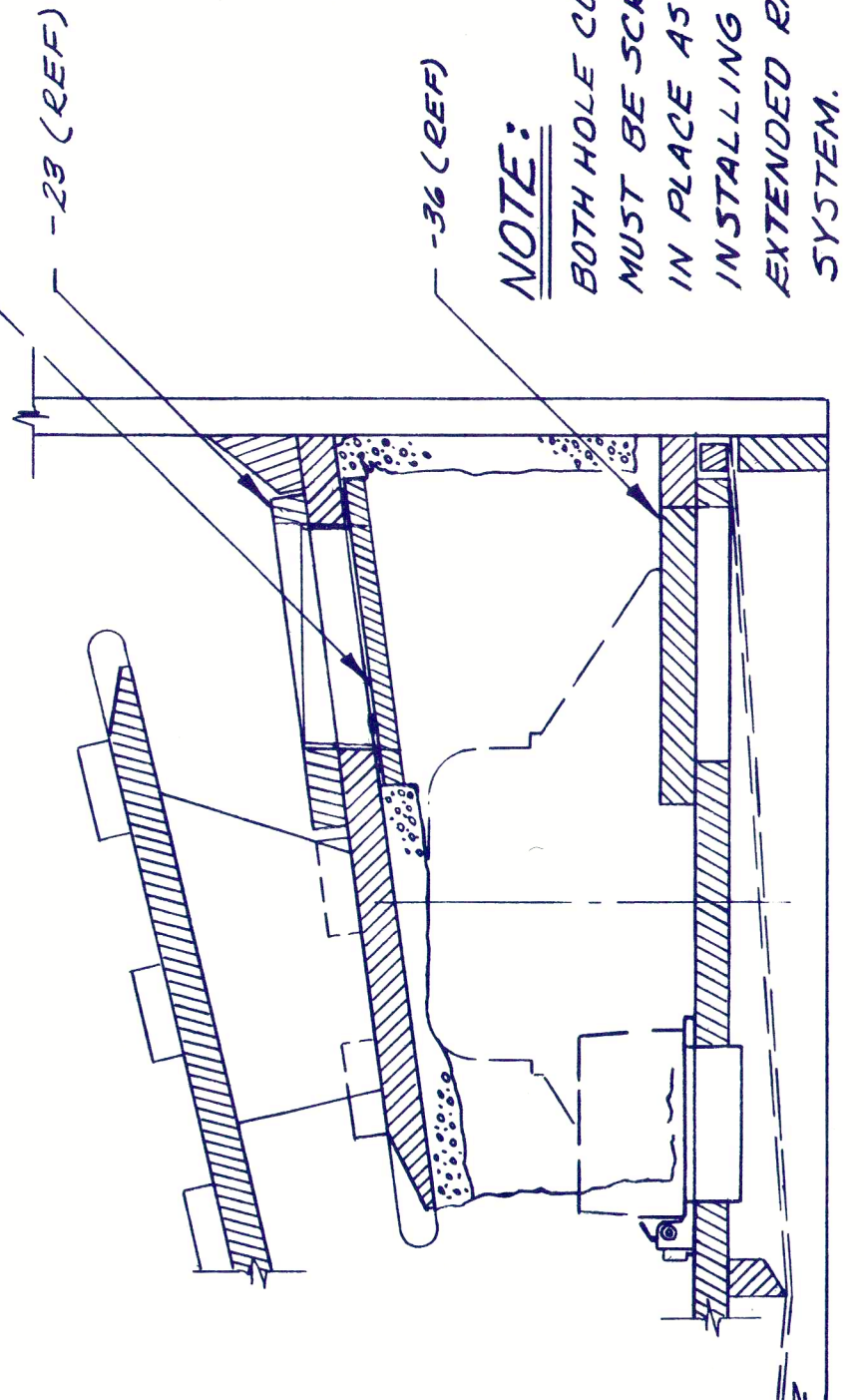
VIEW SHOWING INSTALLATION OF -16 FRONT HORN PANEL HALF SIZE

NOTE:

ALL 3 HOLE COVERS, 26, 36, AND 37 MUST BE SCREWED FIRMLY IN PLACE AS SHOWN WHEN USING U.B.L. EXTENDED RANGE SPEAKERS D130, D131, OR D123.



VIEW SHOWING INSTALLATION WHEN USING U.B.L. EXTENDED RANGE SPEAKERS ONLY



NOTE:

BOTH HOLE COVERS, 26 AND 36 MUST BE SCREWED FIRMLY IN PLACE AS SHOWN WHEN INSTALLING U.B.L. 030 EXTENDED RANGE LOUDSPEAKER SYSTEM.

VIEW SHOWING INSTALLATION WHEN USING U.B.L. 030 LOUDSPEAKER SYSTEM (SEE DETAIL A FOR INSTALLATION OF U.B.L. N2600 NETWORK)

REVISION	BY	DATE	FINISH	OPTIONAL	DATE	SCALE	1/4 & NOTED	NAME	REAR-LOADED LOWBOY HORN	SHEET NO.	OF
A	H.E.	9/10/63	D.R.J.	AS LISTED	5-20-58	1/16	1/4 & NOTED	NAME: REAR-LOADED LOWBOY HORN		4	4
JAMES B. LANSING SOUND, INC. 3249 castles ave. • Los Angeles 39, California											
U.B.L. N2600 NETWORK											